

# Work Order ID 63411

October 29, 2010 10:30:58 AM

Page 1

Item ID: D412-742-013

Accept

Setup Start

Revision ID:

Stop

Item Name: Float Skidtube Installation

Start Date: 10/29/10 Start Qty: 1.00

Cust Item ID:

Required Date: 11/05/10 Req'd Qty: 1.00

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

IIN D412-742

D

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-013 CHG006

8/10/12/22

CK for BG 11/01/03

110

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

10/11/12

120

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

8/10/12/22

(X)

B62500

**Work Order ID 63411**

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Page 2

Item ID: D412-742-013

Accept

Revision ID:

Item Name: Float Skidtube Installation

Start Date: 10/29/10 Start Qty: 1.00

Required Date: 11/05/10 Req'd Qty: 1.00

Reference:

Cust Item ID:

Customer:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

0.00



Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-742-013

Location: B

140

0.00



QC

QC21- Final Inspection - Work Order Release

Memo

0.00

Quality Control

10/12/22sf

CK 11/01/03

MK

10-12-24

# Picklist Print

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Page 1

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: A 10.05.10.13 New Issue KJ/JLM  
 IPP Rev: B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN 1072 DD verified by: JLM  
 IPP Rev: D 08-09-08 ecn 08-510 DD verified by: EC  
 IPP Rev: E 09-01-23 as per DSI9441 DD verified by: EC IPP RevF: add AN4C7A DD 10.01.13 verified by: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4C7A Bolt		Purchased	No			110	Each	456.0000	4	4		10/11/25	

Location	Loc Qty	Loc Code
ST356	456	
109147	456	

D412-742-043 Replacement Float Skidtube D2571 Saddle, Fwd Out 205		Manufactured	No			110	Each	0.0000	1	1		10/11/25	
		Manufactured	No			110	Each	24.0000	1	1		10/11/25	

Location	Loc Qty	Loc Code
ST425	7	
43564	3	
47564	4	
ST433	17	
58250	4	
61332	1	
62111	12	

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Page 2

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

D2572

Manufactured No

110

Each

16.0000

1

1



Saddle, Fwd In 205

Location

Loc Qty

Loc Code

ST425

3

43565

3

ST433

13

58100

1

62150

12



10/11/25

D2573

Manufactured No

110

Each

8.0000

1

1



Saddle, Aft Out 205

Location

Loc Qty

Loc Code

ST425

8

43566

3

47566

4

58251

1



10/11/25

D2574

Manufactured No

110

Each

4.0000

1

1



Saddle, Aft In 205

Location

Loc Qty

Loc Code

ST425

4

43567

3

58252

1



10/11/25

D2876

Manufactured No

110

Each

48.0000

2

2



Saddle Spacer

Location

Loc Qty

Loc Code

ST026

48

42364

2

60853

46



10/11/25

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Page 3

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

D2877

Manufactured No

110

Each

57.0000



Saddle Spacer



2 2  
10/11/28

## Location

## Loc Qty

## Loc Code

ST026

57

51541

2

60854

14

61211

41

2

D3403-1

Manufactured No

110

Each

59.0000



Bushing



16 16  
10/11/28

## Location

## Loc Qty

## Loc Code

ST052

30

61654

30

ST055

29

58856

16

59119

13

16

D2747

Manufactured No

110

Each

133.0000



Set Screw



4 4  
10/11/28

## Location

## Loc Qty

## Loc Code

ST023

133

39224

4

51921

4

59879

25

62085

100

4

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Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

D3533-1

Manufactured No

110

Each

33.0000

Set Screw

Location

Loc Qty

Loc Code

ST069

33

51602

33

Purchased

No

110

Each

535.0000

AN4C6A

Bolt

Location

Loc Qty

Loc Code

FG

4

103344

4

ST

4

103344

0

111295

4

ST356

527

113121

127

115016

200

116003

200

Purchased

No

110

Each

128.0000

AN4C52A

BOLT

Location

Loc Qty

Loc Code

ST361

128

112641

50

113121

28

114784

50

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# Picklist Print

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Page 5

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

AN6C12A

Purchased

No

110

Each

56.0000

8

8



BOLT

Location

Loc Qty

Loc Code

ST342

56

110396

8

114442

48

Manufactured

No

110

Each

559.0000

32

32

D3672-3



Phenolic Washer

Location

Loc Qty

Loc Code

ST077

559

47023

16

55500

32

57704

511

Purchased

No

110

Each

164.0000

32

32

AN960C416L



WASHER

Location

Loc Qty

Loc Code

FG

44

104925

44

ST346

120

106785

10

107008

10

112612

29

112794

29

112828

27

69220

41

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# Picklist Print

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Page 6  
12

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

D3672-9

Manufactured No

110 Each

398.0000

8 18



Phenolic Washer

Location

Loc Qty

Loc Code

ST077

398

35523

398

AN960C616L

Purchased No

110 Each

164.0000

8 18



WASHER

Location

Loc Qty

Loc Code

ST347

164

111424

8

113064

156

D3672-11

Manufactured No

110 Each

872.0000

16 16



Phenolic Washer

Location

Loc Qty

Loc Code

ST077

872

58046

872

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# Picklist Print

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Page 7

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased

No

110

Each

946.0000

29

1 29



Nut



10/11/10

## Location

## Loc Qty

## Loc Code

FG	40	
104603	40	
ST301	906	
112492	25	
113069	8	
114181	29	
114523	244	
114784	300	
115936	300	

D3403-3

Manufactured

No

110

Each

56.0000

8

8



Bushing



10/11/10

## Location

## Loc Qty

## Loc Code

ST053	46	
59598	25	
62240	21	
ST055	10	
56857	10	

D3405-041

Manufactured

No

110

Each

5.0000

1

1



Lug Assembly



10/11/10

## Location

## Loc Qty

## Loc Code

ST474	5	
56835	1	
60495	4	

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Page 8

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

D3405-043

Manufactured No

110

Each

3.0000



Lug Assembly



10/11/25

## Location

## Loc Qty

## Loc Code

ST474

3

53888

1

56514

1

56574

1

Purchased

No

110

Each

113.0000

AN4C47A



Bolt



10/11/25

## Location

## Loc Qty

## Loc Code

ST361

113

114653

4

115231

7

115518

40

115836

12

115936

30

116003

20

Manufactured

No

110

Each

10.0000

D3407-041



Tow Ring



10/11/25

## Location

## Loc Qty

## Loc Code

ST464

10

58209

1

61219

9

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Page 9

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

D3417-3

Manufactured No

110

Each

110.0000

2

2



Washer

Location

Loc Qty

Loc Code

ST056

110

44349

29

51648

28

53182

53

Manufactured No

110

Each

3.0000

D3456-1



Washer

Location

Loc Qty

Loc Code

ST058

3

54692

3

Purchased No

110

Each

113.0000

AN3C37A



BOLT

Location

Loc Qty

Loc Code

ST353

85

110396

34

112454

1

115908

50

ST354

28

114801

28

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Page 10

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

AN3C40A

Purchased

No

110

Each

113.0000

1

1



BOLT

## Location

## Loc Qty

## Loc Code

ST354

113

106176

13

112454

50

114442

50

AN3C41A

Purchased

No

110

Each

111.0000

1

1



BOLT

## Location

## Loc Qty

## Loc Code

FG

4

103324

4

ST354

107

108084

7

108409

8

112879

1

114443

59

115316

32

AN3C42A

Purchased

No

110

Each

105.0000

1

1



BOLT

## Location

## Loc Qty

## Loc Code

ST354

105

106169

5

106176

100

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# Picklist Print

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Page 11

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

AN3C43A

Purchased

No

110

Each

113.0000

4

4



BOLT



10/11/25

## Location

## Loc Qty

## Loc Code

ST354

113

114330

13

114433

50

114455

50

✓

AN3C46A

Purchased

No

110

Each

76.0000

5

5



BOLT



10/11/25

## Location

## Loc Qty

## Loc Code

ST354

5

113164

2

113302

3

ST355

71

113302

36

115030

15

115518

20

2

3

AN960C10L

NAS1149C0332

Purchased

No

110

Each

29.0000

26

26



washer



111434110/11/25

## Location

## Loc Qty

## Loc Code

ST245

29

107534

29

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# Picklist Print

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Page 12

Work Order ID: 63411

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/29/10

Required Date: 11/05/10

Start Qty: 1.00

Required Qty: 1.00

MS21043-3

Purchased

No

110

Each

2,502.000

13

13



Nut



10/11/12

Location

Loc Qty

Loc Code

FG

76

103691

76

ST301

2426

112314

2426

13

## 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	.1	X	D412-742-043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*12	*AN3C6A	*BOLT
4		*8	*AN3C7A	*BOLT
5		*44	*AN960C10L	*WASHER
21A		*1	*D3564-1	*WEARSHOE (REPLACES D3460-1)
21B		*1	*D3566-1	*GASKET
22A		*1	*D3564-3	*WEARSHOE (REPLACES D3460-3)
22B		*1	*D3566-1	*GASKET
23A		*1	*D3564-5	*WEARSHOE (REPLACES D2577-5)
23B		*1	*D3566-5	*GASKET
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
12B		**2	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24A		**1	**D3564-13	**WEARSHOE
24B		**1	**D3566-13	**GASKET
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25A		**1	*D3537-1	**WEARPAD
25B		**1	*D3553-1	**GASKET
26A		**1	*D3537-7	**WEARPAD
26B		**1	*D3553-3	**GASKET
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**12	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 19)

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Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46	16		D3403-1	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49	8		AN4C52A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	16		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		ANC47A	BOLT
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C46A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

\*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

\*\*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE



# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3.

REF. FAA STC: SR01583SE  
REF. CANADIAN STC: SH05-37  
REF. EASA STC: EASA.IM.R.S.01126

**REFERENCE ONLY**

## INSTRUCTIONS:

- 1) FOR D412-742-011/-013 SKIDTUBES @ CHANGE 006 AND SUBSEQUENT, UPDATE THE PARTS LIST TO MODIFY THE BOLT USED TO ATTACH THE GHW LUG AS FOLLOWS:

### 5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List 32.15 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

ITEM	Qty -011	Qty -041	Qty -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT

**IS:**

63	4			AN4C47A	BOLT
----	---	--	--	---------	------

**WAS:**

63	4			AN4C46A	BOLT
----	---	--	--	---------	------

### 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List 32.16 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

ITEM	Qty -013	Qty 043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE

**IS:**

63	4		AN4C47A	BOLT
----	---	--	---------	------

**WAS:**

63	4		AN4C46A	BOLT
----	---	--	---------	------

A	NEW ISSUE	AJS	08.12.19
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	<b>DART AEROSPACE USA, INC</b> PORT HADLOCK, WA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9441	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT CHANGE	NTS
DATE	08.12.19	<small>COPYRIGHT © 2008 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	